

Declaration, Power Of Attorney and Petition

COPY

Page 1 of 4

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD OF PRODUCING REDUCED IRON AND PRODUCTION FACILITIES THEREFOR

the specification of which

- is attached hereto.
- was filed on _____ as
Application Serial No. _____
and amended on _____.
- was filed as PCT international application
Number _____
on _____,
and was amended under PCT Article 19
on _____ (if applicable).

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Day/Month/Year	Priority Claimed
Patent 10-272203	Japan	25/09/1998	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Patent 10-294514	Japan	30/09/1998	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Patent 10-300167	Japan	21/10/1998	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Patent 11-042096	Japan	19/02/1999	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Patent 11-077752	Japan	23/03/1999	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

We (I) hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

(Application Number)	(Filing Date)
(Application Number)	(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status (pending, patented, abandoned)

And we (I) hereby appoint: Norman F. Oblon, Registration Number 24,618; Marvin J. Spivak, Registration Number 24,913; C. Irvin McClelland, Registration Number 21,124; Gregory J. Maier, Registration Number 25,599; Arthur I. Neustadt, Registration Number 24,854; Richard D. Kelly, Registration Number 27,757; James D. Hamilton, Registration Number 28,421; Eckhard H. Kuesters, Registration Number 28,870; Robert T. Pous, Registration Number 29,099; Charles L. Gholz, Registration Number 26,395; Vincent J. Sunderdick, Registration Number 29,004; William E. Beaumont, Registration Number 30,996; Steven B. Kelber, Registration Number 30,073; Robert F. Gnuse, Registration Number 27,295; Jean-Paul Lavallee, Registration Number 31,451; Stephen G. Baxter, Registration Number 32,884; Martin M. Zoltick, Registration Number 35,745; Robert W. Hahl, Registration Number 33,893; Richard L. Treanor, Registration Number 36,379; Steven P. Weihrouch, Registration Number 32,829; John T. Goolkasian, Registration Number 26,142; Marc R. Labgold, Registration Number 34,651; William J. Healey, Registration Number 36,160; Richard L. Chinn, Registration Number 34,305; Steven E. Lipman, Registration Number 30,011; Carl E. Schlier, Registration Number 34,426; James J. Kulbaski, Registration Number 34,648; Catherine B. Richardson, Registration Number 39,007; Richard A. Neifeld, Registration Number 35,299; J. Derek Mason, Registration Number 35,270; and Surinder Sachar 34,423; our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to the firm of OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C., whose Post Office Address is: Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202.

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Hironori Fujioka

NAME OF FIRST SOLE INVENTOR

Hironori Fujioka

Signature of Inventor

August 23, 1999

Date

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o MITSUBISHI HEAVY

INDUSTRIES, LTD., HIROSHIMA Machinery Work:

6-22, Kan-on-shin-machi 4-chome, Nishi-ku,

Hiroshima-shi, Hiroshima-ken, Japan

Hideaki Mizuki
NAME OF SECOND JOINT INVENTOR

Hideaki Mizuki
Signature of Inventor

August 23, 1999

Date

Koichi Hirata

NAME OF THIRD JOINT INVENTOR

Koichi Hirata
Signature of Inventor

August 23, 1999

Date

Shigeo Itano

NAME OF FOURTH JOINT INVENTOR

Shigeo Itano
Signature of Inventor

August 23, 1999

Date

Susumu Kamikawa
NAME OF FIFTH JOINT INVENTOR

Susumu Kamikawa
Signature of Inventor

August 23, 1999

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o MITSUBISHI HEAVY

INDUSTRIES, LTD., HIROSHIMA Machinery

Works, 6-22, Kan-on-shin-machi 4-chome,

Nishi-ku, Hiroshima-shi, Hiroshima-ken,

Japan

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o MITSUBISHI HEAVY

INDUSTRIES, LTD., HIROSHIMA Research & Development Center, 6-22, Kan-on-shin-machi

4-chome, Nishi-ku, Hiroshima-shi,

Hiroshima-ken, Japan

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o RYOMEI ENGINEERING

CO., LTD., 20-24, Kan-on-shin-machi 1-chom ,

Nishi-ku, Hiroshima-shi, Hiroshima-ken,

Japan

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o MITSUBISHI HEAVY

INDUSTRIES, LTD., HIROSHIMA Machinery

Works, 6-22, Kan-on-shin-machi 4-chome,

Nishi-ku, Hiroshima-shi, Hiroshima-ken,

Japan

Hisao Teramoto
NAME OF SIXTH JOINT INVENTOR

Hisao Teramoto
Signature of Inventor

August 23, 1999
Date

Takashi Yamane
NAME OF SEVENTH JOINT INVENTOR

Takashi Yamane
Signature of Inventor

August 23, 1999
Date

Shigeki Sueda
NAME OF EIGHTH JOINT INVENTOR

Shigeki Sueda
Signature of Inventor

August 23, 1999
Date

Tetsunasa Kawamoto
NAME OF NINTH JOINT INVENTOR

Tetsunasa Kawamoto
Signature of Inventor

August 23, 1999
Date

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o MITSUBISHI HEAVY

INDUSTRIES, LTD., HIROSHIMA Machinery

Works, 6-22, Kan-on-shin-machi 4-chom,

Nishi-ku, Hiroshima-shi, Hiroshima-ken,
Japan

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o MITSUBISHI HEAVY

INDUSTRIES, LTD., HIROSHIMA Research &

Development Center, 6-22, Kan-on-shin-mach-

4-chome, Nishi-ku, Hiroshima-shi,
Hiroshima-ken, Japan

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o MITSUBISHI HEAVY

INDUSTRIES, LTD., HIROSHIMA Research &

Development Center, 6-22, Kan-on-shin-mach-

4-chome, Nishi-ku, Hiroshima-shi,
Hiroshima-ken, Japan

Residence: Hiroshima-shi, Japan

Citizen of: Japan

Post Office Address: c/o MITSUBISHI HEAVY

INDUSTRIES, LTD., HIROSHIMA Research &

Development Center, 6-22, Kan-on-shin-mach-

4-chome, Hiroshima-shi, Hiroshima-ken,
Japan